

## CLAIMS

1 – Audio headphone (1), comprising a headband (2) embodied to surround the head of a user and at least one sound emitter unit (3) arranged to face an ear, wherein each sound emitter unit (3) comprises a  
5 mini-loud speaker (7) and a shell (8) concave on one face ; the unit (3) is embodied such that said mini-loud speaker (7) is arranged in front of the ear, without making contact therewith, when the headphone (1) is worn and placed such as to broadcast the sound therefrom in the direction of the auricle of the ear, and such that said shell (8) is fixed to said mini-loud  
10 speaker (7), when placed along the auricle of the ear with the concave region thereof facing said auricle.

2 – Headphone according to claim 1, wherein the shell (8) has approximately the shape of a shellfish.

3 - Headphone according to claim 2, wherein the shell (8) has  
15 approximately the shape of a mussel.

4 - Headphone according to one of the claims 1 to 3, wherein each sound emitter unit (3) set is mounted on a ball-and-socket joint.

5 - Headphone according to one of the claims 1 to 4, wherein the headband (2) includes a central part (5) embodied to surround the head of a  
20 user by exerting a light pressure on his/her cranium, and two lateral portions (6) bent like a glasses side-piece's tip, these lateral portions (6) being shaped to find a stable rest on the mastoid bone, referred to as the “boulder”, when said mini-loud speaker (7) and said shell (8) are properly positioned near the ears.

25 6 - Headphone according to one of the claims 1 to 5, wherein each mini-loud speaker (7) and each shell (8) is carried by a side-piece (9) connected to the headband (2).

7 - Headphone according to claim 6, wherein each side-piece (9) is movable with respect to the headband (2).

30 8 - Headphone according to one of the claims 1 to 7, wherein said central part (5) of the headband (2) is connected to said lateral portions (6) of this headband (2) by articulations enabling to tip said central part (5) against said lateral portions (6).

9 - Headphone according to one of the claims 1 to 8, wherein  
each shell is connected to the headband by a ball-and-socket joint.